H6554 to H6583-t

|          | 11101 7                      |         |               | Jun             | -                  |           |        |
|----------|------------------------------|---------|---------------|-----------------|--------------------|-----------|--------|
| Hour:    | 4:30 P.                      | M. to   |               | . M.            |                    |           |        |
| Position | n: Lat.                      |         | Lo            | ng.             |                    |           |        |
| Locality | y:                           |         |               |                 |                    |           |        |
| Depth:   |                              | Bottom: |               |                 | Sample:            |           |        |
| Wind:    | Direction,                   |         | Force,        |                 |                    |           |        |
| Sea:     | 200 m 3 h 3                  |         | Sky:          |                 |                    |           |        |
|          |                              | TEME    | PERATURE      | S               |                    | -         |        |
| Depth    | Thermometer—<br>Make and No. | Reading | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottle |
| Jul      | N-298573                     | 65.0    |               | -0,3            | 64.7               | ×         |        |
|          |                              |         |               |                 |                    |           |        |
|          |                              |         |               |                 |                    |           |        |
|          |                              |         |               |                 |                    |           |        |
|          |                              |         |               |                 |                    |           |        |
|          |                              |         |               |                 |                    |           |        |

Color of water:

Transparency:

REMARKS:

| Description | Depth | TII  | ME | Speed |  |
|-------------|-------|------|----|-------|--|
| Description | Depth | Down | Up | Speed |  |
|             |       |      |    |       |  |
|             |       |      |    |       |  |
|             |       |      |    |       |  |
|             |       |      |    |       |  |
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|             |       |      |    |       |  |
| 115314      | NOTES |      |    |       |  |

Gayota. W16.6 D18.5

Pt. Dan Eugenio bears 5 27° E(tru) dist. 4.5 mi

| Station    | No. H 650                    | 75        | Date:         | gini            | 14                 |           | 191 6            |
|------------|------------------------------|-----------|---------------|-----------------|--------------------|-----------|------------------|
| Hour:      | 6:30 P.                      | . M. to - |               | . м.            |                    |           |                  |
| Positio    | n: Lat.                      |           | Lo            | ng.             |                    |           |                  |
| Locality   | y:                           |           |               |                 |                    |           |                  |
| Depth:     |                              | Bottom:   |               |                 | Sample:            |           |                  |
| Wind:      | Direction,                   |           | Force,        |                 |                    |           |                  |
| Sea:       | . F. Voresty                 |           | Sky:          |                 |                    |           |                  |
|            |                              | TEMI      | PERATURE      | S               |                    |           |                  |
| Depth      | Thermometer—<br>Make and No. | Reading   | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottle<br>used   |
| Denf       | N-Z 98523                    | 62.8      |               | -0.3            | (16.95)<br>62.5    | X         |                  |
|            |                              |           |               |                 |                    |           |                  |
|            |                              |           |               |                 |                    |           | A DOLLAR AND AND |
|            |                              |           |               |                 |                    |           |                  |
|            |                              |           |               |                 |                    |           |                  |
|            |                              |           |               |                 |                    |           |                  |
| Depth      | Hour                         | -         | RRENTS        | Revolutions     | Speed              | Di        | rection          |
|            |                              |           |               | ACTORISMS       | Specu              |           |                  |
| Color of w | vater:                       |           | Transpar      | ency:           |                    |           |                  |
| REMAR      |                              |           |               | -               |                    | 11—63     |                  |

| Description | Depth | TII  | ME | Speed |  |
|-------------|-------|------|----|-------|--|
| Description | Depth | Down | Up | Speed |  |
|             |       |      |    |       |  |
|             |       |      |    |       |  |
|             | -     |      |    |       |  |
|             |       |      |    |       |  |
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|             |       |      |    |       |  |
|             |       |      |    |       |  |

11-5314

NOTES

Psych. W11. + D18.4

Mono Redunds Of. bears S 8/2° W (tru) dist. 1.5 mi

|          | 6:30 A                       |         |               | . М.        |                    |           |        |
|----------|------------------------------|---------|---------------|-------------|--------------------|-----------|--------|
| Positio  | n: Lat.                      |         | L             | ong.        |                    |           |        |
| Locality | u*                           |         |               |             |                    |           |        |
| ocurry,  |                              |         |               |             |                    |           |        |
| Depth:   |                              | Bottom: |               |             | Sample:            |           |        |
| Wind:    | Direction,                   |         | Force,        |             |                    |           |        |
| Sea:     |                              |         | Sky:          |             |                    |           |        |
|          |                              | TE      | MPERATUR      | ES          |                    |           |        |
| Depth    | Thermometer—<br>Make and No. | Reading | Stem<br>Temp. | Correc-     | Corrected<br>Temp. | W. Sample | Bottl  |
| Sent     | N-Z98523                     | 600     |               | -0.3        | (15.39)            | 1         |        |
| 0        |                              | 00,0    |               | 015         | - 0                |           |        |
|          |                              |         |               |             |                    |           | 7      |
|          |                              |         |               |             |                    |           |        |
|          |                              |         |               |             |                    |           |        |
|          |                              |         |               |             |                    |           |        |
|          |                              |         |               |             |                    |           |        |
|          |                              |         |               |             |                    |           |        |
|          |                              |         |               |             |                    |           |        |
|          |                              |         |               |             |                    |           |        |
|          |                              |         |               |             |                    |           |        |
|          | T K                          |         |               |             |                    |           |        |
|          |                              | (       | URRENTS       |             |                    |           |        |
| Depth    | Hour                         | Tide    | Time down     | Revolutions | Speed              | Dir       | ection |
|          |                              |         |               |             |                    |           |        |
|          |                              |         |               |             |                    |           |        |

Transparency:

11-5314

Color of water:

REMARKS:

|  |       | TII  | AE . | Speed |
|--|-------|------|------|-------|
| Description  | Depth | Down | Up   | Speed |
| Training and the state of the s |       |      | -    |       |
|  |       |      |      |       |
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|  |       |      |      |       |

11-5314

NOTES

Payah: W14. 7 D 15.2

Chart 1310
Rt. tang. Cedros Id. bears N 14° W (true)
dist. 5.8 mi.
left tang. Cedros Id. bears S 5° W (true)
dist. 4.0 mi.

| Hour:        | 7:30 P.                      | M. to 6 | 130 P         | . м.       |                 |           |                |
|--------------|------------------------------|---------|---------------|------------|-----------------|-----------|----------------|
| Position     | : Lat.                       |         | Lo            | ng.        |                 |           |                |
| Locality:    | Northean                     | t land  | ing C         | mos &      | del             |           |                |
| Depth:       |                              | Bottom: |               |            | Sample:         |           |                |
| Wind: I      | Direction,                   |         | Force,        |            |                 |           |                |
| Sea:         |                              |         | Sky:          |            |                 |           |                |
|              |                              | TEM     | IPERATURE     | S          |                 |           |                |
| Depth        | Thermometer—<br>Make and No. | Reading | Stem<br>Temp. | Correc-    | Corrected Temp. | W. Sample | Bottle<br>used |
| Deng<br>2 mm |                              | -       |               |            |                 | X         |                |
| 6 7mm        | N-Z 98523                    | 60.8    | -             | -0.3       | (15.83)         | X         |                |
|              |                              |         |               |            |                 |           |                |
|              |                              |         |               |            |                 |           |                |
|              |                              |         |               |            |                 |           |                |
|              |                              |         |               | -          |                 |           |                |
|              |                              |         |               |            |                 |           |                |
|              |                              |         |               |            |                 |           |                |
|              |                              |         |               |            |                 |           |                |
|              |                              |         | CURRENTS      |            |                 | 1         |                |
| Depth        | Hour                         | Tide    | Time down     | Revolution | s Speed         | D         | irection       |
|              |                              |         |               |            |                 |           |                |
|              |                              |         |               |            |                 |           |                |
|              |                              |         |               |            |                 |           |                |
|              |                              |         |               |            |                 |           |                |
| Color of w   | vater*                       |         | Transp        | arency:    |                 |           |                |
| REMAR        |                              | -       | -             |            |                 |           | 5314           |

|             |       | TI   | ME | Speed |
|-------------|-------|------|----|-------|
| Description | Depth | Down | Up | Speed |
|             |       |      |    |       |
|             |       |      | -  |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             | 1     |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
| 11-5314     | NOTES |      |    |       |

Psychi. 14.86 15.9 15.76.0 18.9

Chart 1193 Northeast Harbon, advos Id; half may between points, dist. O. 6 mi from show.

| Station 1  | No. H6558                    |         | Date:         | June            | 6                  |           | 1916           |
|------------|------------------------------|---------|---------------|-----------------|--------------------|-----------|----------------|
| Hour:      | 6:30 A.                      | M. to - |               | . M.            |                    |           |                |
| Position   | : Lat.                       |         | Lor           | ng.             |                    |           |                |
| ocality    |                              |         |               |                 |                    |           |                |
| Depth:     |                              | Bottom: |               |                 | Sample:            |           |                |
| Wind: I    | Direction,                   |         | Force,        |                 |                    |           |                |
| Sea:       |                              |         | Sky:          |                 |                    |           |                |
| 2-11       |                              | TEM     | PERATURE      | S               |                    |           |                |
| Depth      | Thermometer—<br>Make and No. | Reading | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottle<br>used |
| Dung       | N-298523                     | 56.4    |               | -0:3            | (13.39)            | λ         |                |
|            | 1                            |         |               |                 |                    |           | TO             |
|            |                              |         |               |                 |                    |           |                |
|            |                              |         |               |                 |                    |           |                |
|            |                              |         |               |                 |                    |           |                |
|            |                              |         |               |                 |                    |           |                |
|            |                              |         |               |                 |                    |           |                |
|            |                              |         |               |                 |                    |           |                |
| L          |                              |         |               |                 |                    |           |                |
|            |                              | -       | URRENTS       |                 |                    | 15        | irection       |
| Depth      | Hour                         | Tide    | Time down     | Revolution      | Speed              | 1         | irection       |
|            |                              |         |               |                 |                    |           |                |
|            |                              |         |               |                 |                    |           |                |
|            |                              |         |               |                 |                    |           |                |
| Color of v | vater:                       |         | Transpa       | rency:          |                    |           |                |
| REMAR      |                              |         |               | 4               |                    | 11-       |                |

|             | Depth | TIN  | ME | Speed |
|-------------|-------|------|----|-------|
| Description | Deyin | Down | Up | Бресс |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |

11-5314

NOTES

Poychs. W117 D13,2

with long, reduces Id. 193 5 66% F (true) died, 2,8 mi.

|             |                              | THE AN PROPERTY |                      | . M.            |                    |           |               |
|-------------|------------------------------|-----------------|----------------------|-----------------|--------------------|-----------|---------------|
| lour:       | 12:30 P.                     | 1/1. 10         |                      | . 374.0         |                    |           |               |
| osition     | : Lat.                       |                 | Los                  | ng.             |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
| ocality     | *                            |                 |                      |                 |                    |           |               |
| epth:       |                              | Bottom:         |                      |                 | Sample:            |           |               |
| Made 1      | Direction,                   |                 | Force,               |                 |                    |           |               |
| ATHU:       | Direction,                   |                 | roice,               |                 |                    |           |               |
| ea:         |                              |                 | Sky:                 |                 |                    |           |               |
|             | 1                            | TEM             | PERATURE             | S               |                    | 0         | -             |
| Depth       | Thermometer—<br>Make and No. | Reading         | Siem<br>Temp.        | Correc-<br>tion | Corrected<br>Temp. | W. Sample | ottle<br>ised |
| Jen-        | 1:-278523                    | 1.7.4           |                      | -2,3            | (15.89)<br>( )     |           |               |
|             |                              |                 |                      | VALUE OF 1 1    |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    | 1         |               |
|             |                              |                 |                      | A. Carlotte     |                    | 1         |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    | :         |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              |                 |                      |                 |                    |           |               |
|             |                              | C               | URRENTS              |                 |                    |           |               |
| Depth       | Hour                         | C<br>Tide       | URRENTS<br>Time down | Revolution      | s Speed            |           | ction         |
| Depth       | Hour                         |                 | -                    | Revolution      | s Speed            |           | ction         |
| Depth       | Hour                         |                 | -                    | Revolution      | a Speed            |           | ction         |
| Depth       | Hour                         |                 | -                    | Revolution      | s Speed            |           | ction         |
| Depth       | Hour                         |                 | -                    | Revolution      | s Speed            |           | ction         |
| Depth       | Hour                         |                 | -                    | Revolution      | s Speed            |           | ction         |
| Depth       | Hour                         |                 | -                    | Revolution      | s Speed            |           | ction         |
| Depth       | Hour                         |                 | -                    | Revolution      | s Speed            |           | ction         |
| Depth       | Hour                         |                 | -                    | Revolution      | s Speed            |           | ction         |
| Depth       | Hour                         |                 | -                    | Revolution      | a Speed            |           | ction         |
| Depth       | Hour                         |                 | Time down            |                 | a Speed            |           | ction         |
| Depth Depth |                              |                 | -                    |                 | s Speed            |           | ction         |

|             | Depth | TIM  | AE | Speed     |
|-------------|-------|------|----|-----------|
| Description | Depth | Down | Up | - Special |
|             |       |      |    |           |
|             |       |      |    |           |
|             |       |      |    |           |
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11,-5314

NOTES

Poyohn. W14.2 D16.0

out long, twee old, bears S ss F ( true) did, 247 ml.

|             | No. H 656                    |         |                    |             | 6                                      | 1916        |
|-------------|------------------------------|---------|--------------------|-------------|--|-------------|
| Hour:       | 6:45 P                       | M. to   |                    | . M.        |  |             |
| Position    | n: Lat.                      |         | I                  | ong.        |  |             |
| Locality    | 72                           |         |                    |             |  |             |
| Depth:      |                              | Bottom: |                    |             | Sample:                                |             |
| Wind:       | Direction,                   |         | Force,             |             |  |             |
| Sea:        |                              |         | Sky:               |             |  |             |
|             |                              | TEM     | PERATUR            | ES          |  |             |
| Depth       | Thermometer—<br>Make and No. | Reading | Stem<br>Temp.      | Correc-     | Corrected<br>Temp.                     | Bottle used |
| Juni        | 5.V 491                      | 16.75   | 70,5               | -0,1        | 16.15                                  | X           |
| Depth       | Hour                         |         | RRENTS<br>ime down | Revolutions | Speed                                  | Direction   |
|             |                              |         |                    |             |  |             |
| Color of wa | der:                         |         | Transpa            | rency:      | * * ********************************** |             |
| REMARK      | Si                           |         |                    |             |  | 1-5314      |

| Description | Depth | TI   | TIME |       |  |
|-------------|-------|------|------|-------|--|
| Description | Debru | Down | Up   | Speed |  |
|             |       |      |      |       |  |
|             |       |      |      |       |  |
|             |       |      |      |       |  |
|             |       |      |      |       |  |
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|             |       |      |      |       |  |
|             |       |      |      |       |  |

Purch 11/13, 2 DIS. 3.

Chart 1193 111 mg all s 1, acres S 39° F (lam) dot. 33,0 mi.

| Station No. H6561 Date: ()!! No. 7 | 191 ( |
|------------------------------------|-------|
|------------------------------------|-------|

Hour: 5:30 A . M. to - . M.

Position: Lat. Long.

Locality:

Bottom: Sample:

Depth:
Wind: Direction,

Force,

Sea:

Sky:

|  |                              | TEN     | IPERATURES    | 5               |                    |           |                |
|--|------------------------------|---------|---------------|-----------------|--------------------|-----------|----------------|
| Depth  | Thermometer—<br>Make and No. | Reading | Siem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottle<br>used |
| Aured  | S-V 491                      | 16.1    | 26,6          | -0,1            | 16.0               |           |                |
| v  |                              |         |               |                 | 160.8              |           |                |
|  |                              |         |               |                 |                    |           |                |
|  |                              |         |               |                 |                    |           |                |
|  |                              |         |               | 1               |                    |           |                |
|  |                              |         |               |                 |                    |           |                |
|  |                              |         |               |                 |                    |           |                |
| Name of the last o |                              |         |               |                 |                    |           | # 21/21/Works  |

## CURRENTS

|       |      |      | CURRENTS  |             |       |           |
|-------|------|------|-----------|-------------|-------|-----------|
| Depth | Hour | Tide | Time down | Revolutions | Speed | Direction |
|       |      |      |           |             |       |           |
|       |      |      |           |             |       |           |
|       |      |      |           |             |       |           |
|       |      |      |           |             |       |           |
|       |      |      |           |             |       |           |

Color of water:

Transparency:

REMARKS:

| Description | Depth | TII  | TIME |       |
|-------------|-------|------|------|-------|
|             | Беріц | Down | Up   | Speed |
|             |       |      |      |       |
|             |       |      |      |       |
|             |       |      |      |       |
|             |       |      |      |       |
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|             |       |      |      |       |

11-5314

NOTES

Payer Wire Dis. 6

Chart 1193 Long. 115-40-15 W Lat 28-47-30 N

| Station No. 16562       | Date: | 191 (. |
|-------------------------|-------|--------|
| Hour: 17:30 7 . M. to - | . M.  |        |
|                         |       |        |

| Position: | Lat. |  |  | Long. |
|-----------|------|--|--|-------|
|           |      |  |  |       |

Locality:

Depth: Bottom:

Sample:

Wind: Direction,

Force,

Sea: Sky:

| Depth | Thermometer—<br>Make and No. | Reading  | Stem<br>Temp, | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottle<br>used |
|-------|------------------------------|----------|---------------|-----------------|--------------------|-----------|----------------|
| Dead  | 5-4 1191                     | 10-6-8-2 | -23.11        |                 |                    | ×         |                |
|       |                              |          |               |                 |                    |           |                |
|       |                              |          | IDDENTS       |                 |                    |           |                |

## CURRENTS

|       | -    |      | CURRENTS  | -           |       |           |
|-------|------|------|-----------|-------------|-------|-----------|
| Depth | Hour | Tide | Time down | Revolutions | Speed | Direction |
|       |      |      |           |             |       |           |
|       |      |      |           |             |       |           |
|       |      |      |           |             |       |           |

Color of water:

Transparency:

REMARKS:

|   |             |       | TIM  | AE. | Speed |
|---|-------------|-------|------|-----|-------|
|   | Description | Depth | Down | Up  | Speed |
|   |             |       |      |     |       |
|   |             |       |      |     |       |
| , |             |       |      |     |       |
|   |             |       |      |     |       |
|   |             |       |      |     |       |
|   |             |       |      |     |       |
|   |             |       |      |     |       |

NOTES

Bret. WING DIAS

Long. 115-40-30 W Lat. 78-52-00 N

|         |     | Luk | 1-1  | 2 |  |
|---------|-----|-----|------|---|--|
| Station | No. | 7.7 | 67.6 | 5 |  |

Date: Ollier 7

1916

Hour: 6:30 P.M. to - .M.

Position: Lat.

Long.

Locality:

Depth:

Bottom:

Sample:

Sea:

Wind: Direction,

Force, Sky:

TEMPERATUR

|       |                              | TEMI    | PERATURES     | 5               |                    |           |                |
|-------|------------------------------|---------|---------------|-----------------|--------------------|-----------|----------------|
| Depth | Thermometer—<br>Make and No. | Reading | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottle<br>used |
| Amf.  | S-V 491                      | 16.9    | 51.4          | - 0,1           | 10.                | A         |                |
|       |                              |         |               |                 |                    |           | t              |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         |               |                 |                    | -         |                |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         |               |                 |                    |           |                |

CHERENTS

|       |      |      | CURRENTS  |             |       |           |
|-------|------|------|-----------|-------------|-------|-----------|
| Depth | Hour | Tide | Time down | Revolutions | Speed | Direction |
|       |      |      |           |             |       |           |
|       |      |      |           |             |       |           |
|       |      |      |           |             |       |           |
|       |      |      |           |             |       |           |
|       |      |      |           |             |       |           |

Color of water:

Transparency:

REMARKS:

|   |       | TIP  | VIE . | Speed |
|---|-------|------|-------|-------|
| Description                             | Depth | Down | Up    | Speed |
| A 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |       |      |       |       |
|   |       |      |       |       |
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|   |       |      |       |       |

11-531

NOTE

Psychn. W 13.3 D 15.3

Long. 116-01-15 W Lat. 29-01-04 N

| Ciation     | No. H 656                    | ,/        |               | 0.              | c                  |            | ,              |
|-------------|------------------------------|-----------|---------------|-----------------|--------------------|------------|----------------|
|             |                              |           |               | Juni            | γ                  |            | 1916           |
|             | 6:30 A                       | . M. to ~ |               | . M.            |                    |            |                |
| Position    | 1: Lat.                      |           | Lo            | ong.            |                    |            |                |
| Locality    | 7:                           |           |               |                 |                    |            |                |
| Depth:      |                              | Bottom:   |               |                 | Sample:            |            |                |
| Wind:       | Direction,                   |           | Force,        |                 |                    |            |                |
| Sea:        |                              |           | Sky:          |                 |                    |            |                |
| *********** |                              | TEM       | PERATURE      | ES              |                    | Y 1.000.00 |                |
| Depth       | Thermometer—<br>Make and No. | Reading   | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample  | Bottle<br>used |
| Dung.       | 5-4 1/71                     | 15.74     | 21,0          | -0.1            | 15.64              | 7          |                |
|             |                              |           |               |                 |                    |            |                |
|             |                              |           |               |                 |                    |            |                |
|             |                              |           |               |                 |                    |            |                |
|             |                              |           |               |                 |                    |            |                |
|             |                              |           |               |                 |                    |            |                |

CUDDENTS

| Depth . | Hour | Tide | Revolutions | Speed | Direction                       |
|---------|------|------|-------------|-------|---------------------------------|
|         |      |      |             |       | A SEC STREET, SAME STREET, SAME |
|         |      |      |             |       |                                 |
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|         |      |      |             |       |                                 |
|         |      |      |             |       |                                 |

Color of water:

Transparency:

REMARKS:

|             |       | TIN  | VIE |       |
|-------------|-------|------|-----|-------|
| Description | Depth | Down | Up  | Speed |
|             |       |      |     |       |
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|             |       |      |     |       |
|             |       |      |     |       |
|             |       |      |     |       |

11-5314 NOTES

(Chart 1193) Long. 116-16-40 W Lat 29-48-45 N

| tation I | No. H 6565                   | C       | Date:         | june!                                   | 8                  | . 1       | 916            |
|----------|------------------------------|---------|---------------|---|--------------------|-----------|----------------|
|          | 2:30 P.                      |         |               |   |                    |           |                |
| osition  | : Lat.                       |         | Lon           | g.                                      |                    |           |                |
| ocality: |                              |         |               |   |                    |           |                |
| Depth:   |                              | Bottom: |               |   | Sample:            |           |                |
| Wind: I  | Direction,                   |         | Force,        |   |                    |           |                |
| Sea:     |                              |         | Sky:          |   |                    |           |                |
| -        |                              | TEM     | PERATURE      | 3                                       |                    | 1         |                |
| Depth    | Thermometer—<br>Make and No. | Reading | Siem<br>Temp. | Correc-<br>tion                         | Corrected<br>Temp. | W. Sample | Bottle<br>used |
| •••      | S-y 2 "                      | 15.05   | 21.1          | -0,13                                   | 14:10              | X         |                |
|          |                              |         |               |   |                    |           |                |
|          |                              |         | CURRENTS      | ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                    | 1         |                |
| Depth    | Hour                         | Tide    | Time down     | Revolution                              | s Speed            | I         | irection       |
|          |                              |         | Also          |   |                    |           |                |
| Color of |                              |         | Transp        | arency:                                 |                    |           |                |
| REMAI    | A                            |         |               |   |                    | 11-       | -5314          |

| - |             | is, Eic., USED |      |     | V 107 100 100 100 100 100 100 100 100 100 |
|---|-------------|----------------|------|-----|---|
|   | Description | Depth          | TIM  | A E | Speed                                     |
|   | Description | Depin          | Down | Up  | Бреси                                     |
|   |             |                |      |     |   |
|   |             |                |      |     |   |
|   |             |                |      |     |   |
|   |             |                |      |     |   |
|   |             |                |      |     |   |
|   |             | 1              |      |     |   |
|   |             |                |      |     |   |
|   |             |                |      |     |   |
|   |             | 1              | 1    |     |   |
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11-531

NOTES

They have the some

Chart 1149 Millim duciti oran N 54° E (Can) dist. 18.0 mi.

| Hour:    |                              |         |               |                 |                    |           |               |
|----------|------------------------------|---------|---------------|-----------------|--------------------|-----------|---------------|
| Position | ı: Lat.                      |         | Lon           | g.              |                    |           |               |
| Locality | *                            |         |               |                 |                    |           |               |
| Depth:   |                              | Bottom: |               |                 | Sample:            |           |               |
| Wind:    | Direction,                   |         | Force,        |                 |                    |           |               |
| Sea:     |                              |         | Sky:          |                 |                    |           |               |
|          |                              | TEM     | PERATURES     |                 |                    |           | ED 13         |
| Depth    | Thermometer—<br>Make and No. | Reading | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottl<br>used |
| Jung.    | S-V 491                      | 14.11   | 23,30         | -0115           | 1.3.96             | X         |               |
|          |                              |         |               |                 |                    |           |               |
|          |                              |         |               |                 |                    |           |               |
|          |                              |         | URRENTS       |                 |                    |           |               |
| Depth    | Hour                         |         |               | Revolution:     | s Speed            | D         | irectlor      |
| Depth    | Hour                         |         |               | Revolutions     | . Speed.           | D         | irection      |

| 4120        | 10, 110., 0000 |      |    |       |
|-------------|----------------|------|----|-------|
|             | 2.4            | TH   | ME | Speed |
| Description | Depth          | Down | Up | Speed |
|             |                |      |    |       |
|             |                |      |    |       |
|             |                |      |    |       |
|             |                |      |    |       |
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11-5314

NOTES

Prych. W 13;3 D15.3

14. lang. in Martin d. braca 5 57°E (trace)

Station No. H6567 Date: June 8 1916 Hour: 6:30 P.M. to . M. Position: Lat. Long. Locality: Sample: Bottom: Depth: Force, Wind: Direction, Sky: Sea: TEMPERATURES Sample Corrected Temp. Stem Temp. Correc-Bottle Thermometer-Make and No. Reading Depth 15.90 77.6 1580 CURRENTS Direction Revolutions Speed Depth Hour Tide Time down Transparency: Color of water:

11-5314

REMARKS:

| 7           |       | TIN  | Æ  | Speed |
|-------------|-------|------|----|-------|
| Description | Depth | Down | Up | Бресо |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |

11-5314

NOTES

Psych. W 13.7 D15.0

Camalu Ot. Sears N 77° E (tru) dist. 12.5 mi.

Station No. H 6568 Date: Jun 9 1916 Hour: 5: 70 A. M. to . M. Long. Position: Lat. Locality: Sample: Depth: Bottom: Wind: Direction, Force. Sea: Sky: TEMPERATURES W. Sample Stem Temp. Correc-Corrected Temp. Bottle Thermometer-Make and No. Depth Reading Duy CURRENTS Revolutions Speed Direction Tide Time down Depth Hour

Color of water:

Transparency:

11-5314

Themmeter did not register properly,

|   | Description | Depth | TII  | ME | Speed |
|---|-------------|-------|------|----|-------|
| - | Description |       | Down | Up |       |
|   |             |       |      |    |       |
|   |             |       |      | 1  |       |
|   |             |       |      |    |       |
|   |             |       |      | ٠  |       |
|   |             |       |      | 1  |       |

11-5314

NOTES

Psych. W. 17 7 D 13, 8

Chart 1149

|             | - 4 | _/    | 1.  | 1/  | 6 |
|-------------|-----|-------|-----|-----|---|
| Station No. | -/  | . / . | .00 | 4.0 |   |

Date: (111 p. -/

191 6

Hour: 1-2:30 P.M. to -

Position: Lat. Long.

Locality:

Depth: --- Sample:

Wind: Direction, Force,

Sea: Sky:

|       |                              | TEM     | PERATURES     | 3               |                    |           |                |
|-------|------------------------------|---------|---------------|-----------------|--------------------|-----------|----------------|
| Depth | Thermometer—<br>Make and No. | Rending | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottle<br>used |
| Surf  | Richter 150                  | 17.1    | 17.8          | T. 2.           | 173                | X         |                |
| 0     |                              |         |               |                 |                    |           |                |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         | 1             | ļ į             |                    |           |                |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         |               | 1               |                    |           |                |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         |               |                 |                    |           |                |
|       |                              |         |               |                 |                    |           |                |

CURRENTS

|       |        |      | 00111111111111 |             |       |           |
|-------|--------|------|----------------|-------------|-------|-----------|
| Depth | · Hour | Tide | Time down      | Revolutions | Speed | Direction |
|       |        |      |                |             |       |           |
|       |        |      |                |             |       |           |
|       |        |      |                |             |       |           |
|       |        |      |                |             |       |           |

Color of water:

Transparency:

REMARKS:

|                                       | 70    | TIP  | AE. | Speed |
|---------------------------------------|-------|------|-----|-------|
| Description                           | Depth | Down | Up  | Speec |
| P. J. 10 W. 1                         |       |      |     |       |
|                                       |       |      |     |       |
|                                       |       |      |     |       |
|                                       |       |      |     |       |
| •                                     |       |      |     |       |
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| · · · · · · · · · · · · · · · · · · · |       |      |     |       |
| 115214                                | NOTES |      |     |       |

11000314

Psych. W14.2 D15.7

uplange larget (oronados Id. brans S 34/2 W (trus) dist. 5, 2mi.

of browning of action of the order

| Station     | No. 11657                    | 0       | Date:         | Sun             | , "                |  | 1916           |
|-------------|------------------------------|---------|---------------|-----------------|--------------------|--|----------------|
| Hour:       | 6:45 P                       | . M. to |               | . м.            |                    |  |                |
| Docition    | n: Lat.                      |         |               | ong,            |                    |  |                |
| .2 0510102  |                              |         |               | ong.            |                    |  |                |
| Locality    | y:                           |         |               |                 |                    |  |                |
| Depth:      |                              | Bottom: |               |                 | Sample:            |  |                |
| Wind:       | Direction,                   |         | Force,        |                 |                    |  |                |
|             |                              |         |               |                 |                    |  |                |
| Sea:        |                              | TE      | Sky:          | rd              |                    |  |                |
|             |                              |         | MPERATOR      | 6.3             |                    | e  |                |
| Depth       | Thermometer—<br>Make and No. | Reading | Stem<br>Temp, | Correc-<br>tion | Corrected<br>Temp. | W. Sample  | Bottle<br>used |
| Amp         | S-V 429                      | 14.7    |               | +0              | 14.7               | X  |                |
|             |                              |         |               |                 |                    | The state of the s |                |
|             |                              |         | CURRENTS      |                 |                    |  |                |
| Depth       | Hour                         | Tide    | Time down     | Revolutions     | Speed              | Dire   | ection         |
| Color of wa | ater:                        |         | Transpa       | renev.          | -                  |  |                |
| REMARE      |                              |         | ranspa        | iency:          |                    | 1-531  | 4              |
|             |                              |         |               |                 |                    |  |                |

|             | Depth  | TIL  | VI IE | Speed |
|-------------|--------|------|-------|-------|
| Description | Depart | Down | Up    | Speci |
|             |        |      |       |       |
|             |        |      |       |       |
|             |        |      |       |       |
|             |        |      |       |       |
|             |        |      |       |       |
|             |        |      |       |       |
|             |        |      |       |       |

13.2 81%

Chart 1149 (m) dist 106

| Hour:                                   |                              |                   |                      |                 |                    |           |          |
|---|------------------------------|-------------------|----------------------|-----------------|--------------------|-----------|----------|
| Position                                | : Lat.                       | The second second | Lon                  | g.              |                    |           |          |
| Locality:                               |                              |                   |                      |                 |                    |           |          |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                              |                   |                      |                 |                    |           |          |
| Depth:                                  |                              | Bottom:           |                      |                 | Sample:            |           |          |
| Wind: I                                 | Direction,                   |                   | Force,               |                 |                    |           |          |
| Sea:                                    |                              |                   | Sky:                 |                 |                    |           |          |
|   |                              | TEM               | PERATURES            |                 |                    |           |          |
| Depth                                   | Thermometer—<br>Make and No. | Reading           | Stem<br>Temp.        | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottle   |
| ml                                      | S-V 429                      | 14,05             |                      | 70              | 14.05              | >         |          |
|   |                              |                   |                      |                 |                    | -         |          |
|   |                              |                   |                      |                 |                    |           |          |
|   |                              |                   |                      |                 |                    |           |          |
|   |                              |                   |                      |                 |                    |           |          |
|   |                              |                   |                      |                 |                    |           |          |
|   |                              |                   |                      |                 |                    |           |          |
|   |                              |                   | URRENTS              |                 |                    |           |          |
| Depth                                   | Hour                         |                   | URRENTS<br>Time down | Revolution      | s Speed            | D         | irection |
| Depth                                   | Hour                         |                   |                      | Revolution      | s Speed            | D         | irection |
| Depth                                   | Hour                         |                   |                      | Revolution      | is Speed           | D         | irection |
| Depth                                   | Hour                         |                   |                      | Revolution      | s Specd            | D         | irection |
| Depth                                   | Hour                         |                   |                      | Revolution      | is Speed           | D         | irection |

| Description | Death | TIN  | 4E | Speed |
|-------------|-------|------|----|-------|
| Description | Depth | Down | Up | Speed |
|             |       |      |    |       |
|             |       |      |    |       |
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|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |

84 0/0

Py. tang. Cape som Quenti one NEST: F (lun)

Station No. 4672 Date: June 20 1916 Hour: 8:30 A . M. to . M. Position: Lat. Long. Locality: Depth: Bottom: Sample: Wind: Direction, Force, Sea: Sky: TEMPERATURES Sample Stem Temp. Correc-Corrected Temp. Bottle Thermometer— Make and No. Depth Reading ₩. S-V 429 13.35 13,40 Drippe Dust. 13,40

CITITATATATA

| Desta'            | Hour | Tide | Time down | Danelutions | Speed | Direction |
|-------------------|------|------|-----------|-------------|-------|-----------|
| Depth             |      |      |           |             | -     |           |
| AMERICA WITH A CA |      |      |           |             |       |           |
|                   |      |      |           |             |       |           |
|                   |      |      |           |             |       |           |
|                   |      |      |           |             |       |           |
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|                   |      | 1    |           |             |       |           |
|                   |      |      | 1         |             |       |           |
|                   |      |      |           |             |       |           |
|                   |      |      |           |             |       |           |
|                   |      |      |           |             |       |           |
|                   |      |      |           | 1           |       |           |

Color of water:

Transparency:

REMARKS:

11-5314

| Description | 77    | TIME | C  |       |
|-------------|-------|------|----|-------|
| Description | Depth | Down | Up | Speed |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |

11-531

NOTES

Paych. W +2,3 D11,0 83%

Baja 71. Gass N 88 Ellow) dist. 12.4

|           | 7.130 A                      |         |               |                 | 20                 |           | 1916   |
|-----------|------------------------------|---------|---------------|-----------------|--------------------|-----------|--------|
|           |                              | . M. to |               | . M.            |                    |           |        |
| Position: | Lat.                         |         | Lo.           | ng.             |                    |           |        |
| Locality: |                              |         |               |                 |                    |           |        |
| Depth:    |                              | Bottom: |               |                 | Sample:            |           |        |
| Wind: D   | irection,                    |         | Force,        |                 |                    |           |        |
| Sea:      |                              |         | Sky:          |                 |                    |           |        |
|           |                              | TEM     | PERATURE      | S               |                    |           |        |
| Depth     | Thermometer—<br>Make and No. | Reading | Stem<br>Temp, | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottl  |
| Day !     | 77 R 35 75                   | 111.3   |               |                 | (57.4)<br>14.3     |           | •      |
|           |                              |         | JRRENTS       |                 |                    |           |        |
| · Depth   | Hour                         | Tide 1  | Time down     | Revolutions     | Speed              | Dir       | ection |
|           |                              |         |               |                 |                    |           |        |

| B 1.11.     | 70 45 | Depth TIME | AE. | Speed |
|-------------|-------|------------|-----|-------|
| Description | Беріп | Down       | Uр  |       |
|             |       |            |     |       |
|             |       |            |     |       |
|             |       |            |     |       |
|             |       |            |     |       |

11-5314

NOTES

Poych, W +96

81%

Dan dutonio Pt. bens 5 81 F (tru) deit 111

| Position | -                            |         |  |                 |                    |           |                |
|----------|------------------------------|---------|--|-----------------|--------------------|-----------|----------------|
|          | n: Lat.                      |         | . Lo                                   | ong.            |                    |           |                |
| Locality | 7:                           |         |  |                 |                    |           |                |
| Depth:   |                              | Bottom: |  |                 | Sample:            |           |                |
| Wind:    | Direction,                   |         | Force,                                 |                 |                    |           |                |
| Sea:     |                              |         | Sky:                                   |                 |                    |           |                |
|          |                              | TEN     | APERATURI                              | es              |                    | - Panal   |                |
| Depth    | Thermometer—<br>Make and No. | Reading | Stem<br>Temp.                          | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottle<br>used |
| Jung     | PTR 35741-                   | 15.6    |  | William Control | 15,6               | 7.        |                |
|          |                              |         |  |                 |                    |           |                |
|          |                              |         |  | 1               |                    |           |                |
|          |                              |         |  |                 |                    |           |                |
|          |                              |         |  | 1               |                    |           |                |
|          |                              |         |  |                 |                    |           |                |
|          |                              |         | ************************************** |                 |                    |           |                |
|          |                              |         |  |                 |                    |           |                |
|          |                              |         |  |                 |                    |           |                |
|          |                              |         | CURRENTS                               | ALAST ANNALS    |                    |           |                |

Color of water:

Transparency:

REMARKS:

| The second second | D41-  | TII  | AE. | G     |
|-------------------|-------|------|-----|-------|
| Description       | Depth | Down | Up  | Speed |
|                   |       |      |     |       |
|                   |       |      |     |       |
|                   |       |      |     |       |
|                   |       |      |     |       |
|                   |       |      |     |       |
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|                   |       |      |     |       |
|                   |       |      |     |       |
|                   |       |      |     |       |

11-5314

NOTES

Psychi. W 13,7 D15,2 82%

Chart 11 93 Chart 11 93

| Station No. H 657              | 1       | . Date:       | gune        | 20                 |           | 191 6          |
|--------------------------------|---------|---------------|-------------|--------------------|-----------|----------------|
| Hour: // 30 A.                 | M. to   |               | . M.        |                    |           |                |
| Position: Lat.                 |         | Lo            | ong.        |                    |           |                |
| Locality:                      |         |               |             |                    |           |                |
| Depth:                         | Bottom: |               |             | Sample:            |           |                |
| Wind: Direction,               |         | Force,        |             |                    |           |                |
| Sea:                           |         | Sky:          |             |                    |           |                |
|                                | TEI     | MPERATURI     | 2S          |                    |           |                |
| Depth Thermometer—Make and No. | Reading | Stem<br>Temp. | Correc-     | Corrected<br>Temp. | W. Sample | Bottle<br>used |
| On J. PTR 85745                | 15.5    |               |             | 15.5               | 7         |                |
|                                |         | CURRENTS      |             |                    |           |                |
| Dejth Hour                     | Tide    | Time down     | Revolutions | Speed              | Di        | rection        |
| Color of water:                |         | Teamer        | rancus      |                    |           |                |
| REMARKS:                       |         | Transpa       | ienty:      |                    | 11-53     | 114'           |

| 7011. | TIM   | ME      | Speed              |
|-------|-------|---------|--------------------|
| Берш  | Down  | Up      | Speed              |
|       |       |         |                    |
|       |       |         |                    |
|       |       |         |                    |
|       |       |         |                    |
|       |       |         |                    |
|       |       |         |                    |
|       | Deplh | Depth - | Depth TIME Down Up |

11-5314

NOTES

Parel. 11/2.12 21. 75% Chart 1193 (hart 1193) wist. 51

| Station<br>Hour: | No. 4657                     | M. to   | Date:         | June.       | 20              | 191 6       |
|------------------|------------------------------|---------|---------------|-------------|-----------------|-------------|
| Position         | 1: Lat.                      |         | Lo            | ong.        |                 |             |
| Locality         |                              |         |               |             |                 |             |
| Depth:           |                              | Bottom: |               |             | Sample:         |             |
| Wind:            | Direction,                   |         | Force,        |             |                 |             |
| Sea:             |                              |         | Sky:          |             |                 |             |
|                  |                              | TEI     | MPERATUR      | ES          |                 | ,,          |
| Depth            | Thermometer—<br>Make and No. | Reading | Stem<br>Temp. | Correc-     | Corrected Temp. | Bottle used |
| Jun/             | PTR 35755                    | 15.7    |               |             | 15.7            | >           |
|                  |                              |         |               |             |                 |             |
|                  |                              |         | CURRENTS      |             |                 |             |
| Depth            | · Hour                       | Tide    | Time down     | Revolutions | Speed           | Direction   |
| Color of w       |                              |         | Transpa       |             |                 | 115314      |

| Description | Depth | TI   | ME | Speed |
|-------------|-------|------|----|-------|
| Description | Depth | Down | Up | Speed |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
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|             |       |      |    |       |
|             |       |      |    |       |
| 11-2214     | NOTES |      |    |       |

11-5314

NOTES

Jan 14.

14.3 Dr. 1 72%

Han Wales It. Suns N37 E (Irun) 1654. . 3.8

| Station  | No. // 65                    | , -7      | Date:         | Cur                                     | 20                 | 191 (-      |
|----------|------------------------------|-----------|---------------|---|--------------------|-------------|
|          |                              |           |               |   |                    |             |
| Hour:    | 1:30 P                       | . M. to - |               | . M.                                    |                    |             |
| Position | 1: Lat.                      |           | . Lo          | ong.                                    |                    |             |
| Locality | r:                           |           |               |   |                    |             |
| Depth:   |                              | Bottom:   |               |   | Sample:            |             |
|          |                              |           | -             |   |                    |             |
| Wind: .  | Direction,                   |           | Force,        |   |                    |             |
| Sea:     |                              |           | Sky:          |   |                    |             |
|          |                              | TEM       | MPERATURI     | ES                                      |                    | 1.0         |
| Depth    | Thermometer—<br>Make and No. | Reading   | Stem<br>Temp. | Correc-<br>tion                         | Corrected<br>Temp. | Bottle used |
| ent      | PTR 35755                    | 15.65     |               |   | 17.85              | X           |
| ,        |                              |           | 1             |   |                    |             |
|          |                              | !         |               |   |                    |             |
|          |                              |           | :             |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              | (         | URRENTS       | 70 3 0000000000000000000000000000000000 |                    |             |
| Depth    | Hour                         | Tide      | Time down     | Revolutions                             | Speed              | Direction   |
|          |                              |           |               |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              |           |               |   |                    |             |
|          |                              |           |               | rency:                                  |                    |             |

| Description | Depth | TII  | ME | Speed |
|-------------|-------|------|----|-------|
| Description | Depth | Down | Up | Speed |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
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|             |       |      |    |       |

11-5314

NOTES

7. 15.8 216. 78% (Chart 1193)

Chat 1193)
Long. 115-40-18 W
Lat 29-08-00 N

|         | No. H 657<br>2:30 P.         |         | Date: (       | . M.            | 2.0                | , , 191 &      |
|---------|------------------------------|---------|---------------|-----------------|--------------------|----------------|
| osition | : Lat.                       |         | Lon           | g.              |                    |                |
| ocality |                              |         |               |                 |                    |                |
| Depth:  |                              | Bottom: |               | \$              | Sample:            |                |
| Wind: 1 | Direction,                   |         | Force,        |                 |                    |                |
| Sea:    |                              |         | Sky:          |                 |                    |                |
| -       |                              | TEMI    | ERATURES      | 3               | -                  |                |
| Depth   | Thermometer—<br>Make and No. | Reading | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample used |
| len/    | 71735755                     | 15,65   |               | Specialists     | 15.65              | >              |
|         |                              |         |               |                 |                    | 1              |
|         |                              |         |               |                 |                    |                |
|         |                              |         |               | i               |                    |                |
|         |                              |         |               |                 |                    |                |
|         |                              |         |               |                 |                    |                |
|         |                              |         |               |                 |                    | 1              |
|         |                              |         |               |                 |                    |                |
|         |                              |         |               |                 |                    |                |
|         |                              | C       | URRENTS       |                 | 1.00 (1.00)        |                |
| Depth   | Hour                         | Tide    | Time down     | Revolutions     | Speed              | Direction      |
|         |                              |         |               |                 |                    |                |
|         |                              |         |               |                 |                    |                |
|         |                              |         |               |                 |                    |                |
|         |                              |         |               |                 |                    | -              |

Transparency:

11-5314

Color of water:
REMARKS:

| Description | Depth | TIP  | ME | Speed |
|-------------|-------|------|----|-------|
| Description | Беріп | Down | Up |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       | 1    |    |       |
|             |       |      |    |       |
|             |       |      |    |       |
|             |       | i    |    |       |

11-5314 .

NOTES

Osych. W 13, B D16,0

78%

(Chart 1193) Long. 115-36-25 W Lat. 28-58-45 N

| Station I | No. H 657                    | 19      | Date:                |                 | t a                            | 191 6       |
|-----------|------------------------------|---------|----------------------|-----------------|--------------------------------|-------------|
| Hour: 3   | 1:30 P.                      | M. to   |                      | . M.            |                                |             |
| Position  | : Lat                        |         | Lon                  | g.              |                                |             |
| Locality  | :                            |         |                      |                 |                                |             |
| Depth:    | ALD                          | Bottom: |                      |                 | Sample:                        |             |
| Wind: 1   | Direction,                   |         | Force,               |                 |                                |             |
| Sea:      |                              |         | Sky:                 |                 |                                |             |
|           | 1                            | TEMP    | ERATURES             | ;<br>           | many produced and deleted that | T           |
| Depth     | Thermometer—<br>Make and No. | Reading | Stem<br>Temp.        | Correc-<br>tion | Corrected Temp.                | Bottle used |
| Dung      | PTR 35755                    | 15.75   |                      |                 | 15.75                          | <u>\</u>    |
| Depth     | Hour                         |         | URRENTS<br>Time down | Revolution      | s Speed                        | Direction   |
|           |                              |         | Transpa              |                 |                                |             |

11-5314

REMARKS:

| Donth | TII   | VIE . | Speed   |
|-------|-------|-------|---------|
|       | Down  | Up    |         |
|       |       |       |         |
|       |       |       |         |
|       |       |       |         |
|       |       |       |         |
|       |       |       |         |
|       |       |       |         |
|       |       |       |         |
|       |       |       |         |
|       | Depth | Depth | Down Up |

11-5314

NOTES

Osych, W+27 D16,6 73%

Chart 1193

Long. 115-32-30 W Lat. 28-49-35 N

| Station     | No. " 65                     | (n      | Date:  | ¿::.                                   |                    | 191 (       |
|-------------|------------------------------|---------|--|--|--------------------|-------------|
| Hour:       | 4:30 P                       | . M. to |  |  |                    |             |
| Position    | n: Lat.                      |         | L  | ong.                                   |                    |             |
| Locality    | y:                           |         |  |  |                    |             |
| Depth:      |                              | Bottom: |  |  | Sample:            |             |
| Wind:       | Direction,                   |         | Force,   |  |                    |             |
| Sea:        |                              |         | Sky:   |  |                    |             |
|             |                              | TEN     | MPERATUR:  | ES                                     |                    |             |
| Depth       | Thermometer—<br>Make and No. | Reading | Stem<br>Temp.  | Correc-<br>tion                        | Corrected<br>Temp. | Bottle used |
| 1,/         | PT K 357,55                  | 15.5    |  |  | (59,9)<br>155      | >           |
| Depth       | Hour                         |         | URRENTS Time down  | Revolutions                            | Speed              | Direction   |
|             |                              |         | TO THE STATE OF TH | ************************************** | Speed              | PHECHON     |
| Color of wa | ater:                        |         | Transpar   | rency:                                 |                    |             |
| REMARK      | S:                           |         |  |  | 1                  | 1—5314      |

| Description | Depth | TII  | AE . | Speed |
|-------------|-------|------|------|-------|
| Description | Depth | Down | Up   |       |
|             |       |      |      |       |
|             |       |      |      |       |
|             |       |      |      |       |
|             |       |      |      |       |
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11-5314

NOTES

Paych. W 13.8 D16.1 77%

Chart 1193 Long, 115-30-29 W Lal. 15 39-51 N

| /30 P.                                   | M, to                    |   | . M.   |   |  |
|--|--------------------------|---|--|---|--|
| Lat.                                     |                          |   |  |   |  |
|  |                          | Lon   | g.   |   |  |
|  |                          |   |  |   |  |
|  | Bottom:                  |   |  | Sample:   |  |
| irection,                                |                          | Force,  |  |   |  |
| 40 · · · · · · · · · · · · · · · · · · · |                          |   |  |   |  |
|  | TEMI                     | PERATURES   | 5  |   |  |
| Thermometer—<br>Make and No.             | Reading                  | Stem<br>Temp.   | Correc-  | Corrected Temp.   | Bottle used  |
| PTR 35755                                | 15.5                     |   |  | 15.5  | ×  |
| Hour                                     |                          |   | Revolution   | s Speed   | Direction  |
| ater:                                    |                          | Transpa   | rency:   |   | 11—5314  |
|  | Thermometer—Make and No. | Teminate Teminate Teminate and No.  Reading  PTR 35755 15.5 | Sky:  TEMPERATURE: Thermometer—Make and No. Reading Stem Temp.  PTR 33755 15.5  CURRENTS Hour Tide Time down | Thermometer—Make and No. Reading Stem Temp. Correction  Thermometer—Make and No. Reading Stem Temp. Correction  TTR 35755 15.5.  CURRENTS  Hour Tide Time down Revolution  atter: Transparency: | Sky:  TEMPERATURES  Thermometer— Make and No. Reading Stem Temp. Corrected tion Caren.  FTR 37757 15.5 - 15.5  CURRENTS  Hour Tide Time down Revolutions Speed |

| Speed | TIME |      | Depth |             |
|-------|------|------|-------|-------------|
| Speed | Up   | Down | Depth | Description |
|       |      |      |       |             |
|       |      |      |       |             |
|       |      |      |       |             |
|       |      |      |       |             |
|       |      |      |       |             |
|       |      |      |       |             |
|       | 10 m |      |       |             |

11-5314 NOTES

Psych, W 73,7 D15,1

82%

Chart 1193 Long, 115-30-30 W Lat. 28 31 13 N

|          | 1:000                        |           |          |             |                 |  |   |
|----------|------------------------------|-----------|----------|-------------|-----------------|--|---|
| Hour:    | 6:45 P                       | . M. to ~ | ·        | . M.        |                 |  |   |
| Position | n: Lat.                      |           | Lo       | ong.        |                 |  |   |
| Locality | y:                           |           |          |             |                 |  |   |
| Depth:   |                              | Bottom:   |          |             | Sample:         |  |   |
| Wind:    | Direction,                   |           | Force,   |             | 1               |  |   |
|          |                              |           |          |             |                 |  |   |
| Sea:     |                              | TE        | Sky:     | rs.         |                 |  | 11 to 10 to |
| Depth    | Thermometer—<br>Make and No. | Reading   |          | Correc-     | Corrected Temp. | . Sample   | Bottle  |
| in       | PTR 2755                     | 14. 2     | _        |             | -(5%)<br>111. 3 | ×  |   |
|          |                              |           |          |             |                 |  |   |
|          | 1                            |           |          |             |                 |  |   |
|          |                              |           |          |             |                 |  |   |
|          |                              |           |          |             |                 | The state of the s |   |
|          |                              |           |          |             |                 |  |   |
|          |                              |           |          |             |                 |  |   |
|          |                              |           | CURRENTS |             |                 |  |   |
| Depth    | Hour                         | Tide      |          | Revolutions | Speed           | Dire   | ection  |
| Depth    | · Hour                       |           |          | Revolutions | Speed           | Dire   | ection  |
| Depth    | Hour                         |           |          | Revolutions | Speed           | Dir  | ection  |
| Depth    | Hour                         |           |          | Revolutions | Speed           | Dire   | ection  |
| Depth    | Hour                         |           |          | Revolutions | Speed           | Direction  | ection  |

| Description | Depth  | TIM   | 4E | Speed |
|-------------|--------|-------|----|-------|
|             | Deptil | Down  | Up | Speed |
|             |        |       |    |       |
|             |        | 11.14 |    |       |
|             |        |       |    |       |
|             |        |       |    |       |
|             |        | 1 1   |    |       |
|             |        |       |    |       |
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|             |        |       |    |       |
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|             |        |       |    |       |

NOTES

3.45 DW 81%

Long, 115-30-00 W Lat, 28-18-15 N

Station No. H. 65-83-a Date: Come 21 1916 Hour: /11/100 P. M. to 1:47:45 P. M. Position: Lat. Long. Locality: Depth: 19 fath Bottom: Sample: Wind: Direction, 72 W/x OU, Force, Sky: Quercust to be 9 Sea: TEMPERATURES Thermometer-Make and No. Stem Temp. Reading Depth Ji: 1. 0 ... 1599 PTR 35.755 15-4° 15.4. NZ/65868 47-14.3 16.20 -0.1 12-14:30 16,20 JOIT " 165869 N-2165871 Rtr 37572 702 XX CURRENTS Revolutions Speed Direction Tide Time down Depth Hour Ment west in 302000 author tomet wer nets Color of water: REMARKS:

1: - 1. 15. 2 00

| Description.   | D. 11  | TI      | ME    | Speed |
|--|--------|---------|-------|-------|
| Description  | Depth  | Down    | Up    | Speed |
|  |        | 711     | , ,   |       |
| andie Daire  |        |         |       |       |
| copporates.  | 10 200 | 7/21/05 | 1:50  |       |
| _ name = a m - a m | 1      | 1:36:05 |       |       |
| Live Zavi exx  |        |         |       |       |
| Ceffallers.  | 3072   | ·/      | 11.50 |       |
| 77   |        |         | ,     |       |
| tive training and a second man   |        | 1:36:05 |       |       |
| the large period   |        |         |       |       |
| at anchor small drea   | 4      |         |       |       |
|  | 8      |         |       |       |
| ing engel  |        |         | j     |       |
| 0 .  |        |         |       |       |

11--5314

\* making the soul of and

Trees morning in

Brych. um

1il. long, was service and, over 5 69 F. (bus)
Aid, list one.

Pet. long, middle Benilo al, overs 1 37% F (bus)

aid. 0.6 mi.

( nio sosition is the same for all some

| Station  | No. # 65-5  | 3-6              | Date:                            | £ 1.1.1                  | :/                 |  | 191            |
|----------|---|------------------|----------------------------------|--------------------------|--------------------|--|----------------|
| Hour: c  | 2:22:00 7   | M. to 2/         | 43:203                           | ₽.M.                     |                    |  |                |
| Position |   |                  |                                  | ng.                      |                    |  |                |
| Locality | : San l   | Bernit           | 22                               | men                      | 'ce                |  |                |
| Depth:   | 19 forth  | Bottom:          |                                  |                          | Sample:            |  |                |
| Wind:    | Direction, Za   | W.X. QU.         | Force,                           | 2                        |                    |  |                |
| Sea:     | S   |                  | Sky:                             | bc .                     | too                | erc  | 2.cas          |
|          |   | TEM              | PERATURE                         | S                        |                    | -  |                |
| Depth    | Thermometer—<br>Make and No.                                      | Reading          | Stem<br>Temp.                    | Correc-<br>tion          | Corrected<br>Temp. | W. Sample  | Bottle<br>used |
| entr)    | アフスペ 35755  | 15.15            |                                  | -                        | 15,15              |  |                |
| ions.    | #/NZ16565<br>#2NZ16564<br>#/NZ166871<br>#/NZ166871<br>#2Rtr.27572 | 14,5° 13,9° 1317 | 16.0°<br>16.0°<br>1571-<br>14.5° | -01<br>-01<br>2-01<br>00 | 14,4               | The second secon |                |
|          |   |                  |                                  | _                        |                    |  |                |
| Depth    | Hour  |                  | URRENTS<br>Time down             | Revolutions              | Speed              | I Di   | rection        |
| G        |   | 2447-            | t nou                            | 7; e                     | 11 m               |  |                |
| REMARI   |   | v                | Trenspa                          | rency:                   | J et               | 11-53  | 314            |

Kreeld's:

| Description             | Depth  | TIN           | 4E      | Speed |
|-------------------------|--------|---------------|---------|-------|
| Description             | Depin  | Down          | Up      | Speed |
| Lisial de servir        | 1072 3 | -             | 01.     | p     |
| appearates              | 30% X  | 2::<br>:::37: |         |       |
| Han to me in the dainer | TOTES  |               | ·<br>·: |       |
| × messengers sen        |        | 52.<br>E 17   | ر<br>فر | 68%   |

| Position: Lat.  Docality: And And Andrews  Opential Programme Andrews  Opential Thermometer—  Make and No. | M. to  Bottom:  TEM  Reading | Lo.                                 | ng.             | Sample:            | old mild Nettle |
|--|------------------------------|-------------------------------------|-----------------|--------------------|-----------------|
| Depth: /9 fath 1 Wind: Direction, /  | TEM Reading                  | Force,  Sky: G                      | Correction      | Corrected Temp.    |                 |
| Depth: /9 fath 1 Wind: Direction, /  | TEM Reading                  | Force,  Sky: G                      | Correction      | Corrected Temp.    |                 |
| Popth: /9 fath. 1 Vind: Direction, /   | TEM Reading                  | Force,  Sky: Generature  Stem Temp. | Correction      | Corrected Temp.    |                 |
| Vind: Direction,   | TEM Reading Rev.             | Sky: (FERATURE Stem Temp.           | Correction      | Corrected Temp.    |                 |
| Depth Thermometer—Make and No.   | TEM Reading                  | Sky: (FERATURE Stem Temp.           | Correc-         | Corrected<br>Temp. |                 |
| Deptii   Thermometer —   Make and No.  | Reading<br>Kev.              | Stem Temp.                          | Correc-         | Corrected<br>Temp. |                 |
|  | Reading<br>Kev.              | Siem<br>Temp.                       | Correc-<br>tion | Corrected<br>Temp. |                 |
|  | Ker.                         | 1                                   |                 | Corrected<br>Temp. |                 |
|  | 12.7                         |                                     | -               |                    | 1P              |
| CLIS - P.T.R #35750  |                              |                                     | -               | /J, //             |                 |
| #/   | 14.60                        | 1:5                                 | - 001           | 14.55              | !               |
| 2216 #1  | 14,60                        | 14.6                                | -0,05           | 11,55              |                 |
| 7.816  | 13.70                        | 15.50                               |                 | 13,7               |                 |
|  |                              |                                     | ŀ               |                    |                 |
|  |                              |                                     |                 |                    |                 |
|  |                              |                                     |                 |                    |                 |
|  |                              |                                     |                 |                    |                 |
|  |                              |                                     |                 |                    |                 |
|  |                              |                                     |                 |                    |                 |
| '.   | C                            | URRENTS                             |                 |                    | 1               |
| Depth Hour   | Tide                         | Time down                           | Revolutions     | Speed              | Direction       |
|  |                              |                                     |                 |                    |                 |
|  |                              |                                     |                 |                    |                 |
|  |                              |                                     |                 |                    |                 |
|  |                              |                                     |                 |                    |                 |
|  |                              |                                     |                 |                    |                 |
| color of water:  | 22                           | Transpa                             | rency:          | 10.10              | 12.7            |
| EMARKS:  |                              |                                     |                 |                    | 11-5314         |

tion is to the

| Donth | TIM    | ME         | Canad                                  |
|-------|--------|------------|--|
| Depth | Down   | Up         | Speed                                  |
|       | 3:32;  |            |  |
|       |        |            |  |
|       |        |            |  |
|       | 20 / · | Depth Down | Down Up  3:37 8 40  3:07 8 13:06 4 6 6 |

The taken while at anchor.

& messengers sent down.

13.4 72.10

Color of water: XI do out, Transparency: worth

Commenter Bertham

| Description  | Depth | Down Up               | Speed |
|--|-------|-----------------------|-------|
| Estima Communication of the Co |       | 314- 4- 4108<br>31-7- | 100   |
|  | NOTES |                       |       |

12,5

| Station 1   | No. 6583.                    | 2        | Date:         | June.           | 21                  | 1916          |
|-------------|------------------------------|----------|---------------|-----------------|---------------------|---------------|
|             | 4:16                         |          | . 0           |                 |                     |               |
| Position    |                              |          |               | ng.             |                     |               |
| Locality    | 000                          | Pierre . | A . T         | 4 011           | ,2.                 | Nee           |
| Depth:      | 19.fath                      | Bottom:  |               |                 | Sample:             |               |
| Wind: 1     | Direction,                   |          | Force,        | 2               |                     |               |
| Sea:        | <i>,</i>                     |          | Sky:          | indice          | n - 1               | 0             |
|             |                              | TEN      | MPERATURE     | S               |                     |               |
| Depth       | Thermometer—<br>Make and No. | Row.     | Stem<br>Temp. | Correc-<br>tion | Corrected Temp.     | Bottle used   |
| Loca.       | P+r31755                     | 14,95    |               |                 | 14,75               |               |
| 072         |                              | 14,7     | 15.0          | -005            | 1465                |               |
| 6.7H.       |                              | 13:8     | 15.0<br>14:5  | 0               | 13,8                | Ą             |
|             |                              | 1        |               |                 |                     |               |
| Depth       | Hour                         | Tide     | Time down     | Revolutions     | Speed               | Direction     |
|             |                              |          |               |                 |                     |               |
| Color of wa | ater: Q.                     |          | Transpa       | rency:          | T 1 PRODUCED AND IS | TENEXA MARKET |
| REMARI      |                              |          |               |                 |                     | 11-5314       |
|             |                              | 1        |               | 4.1             | // /, /<br>/        |               |

| Donile    | TIN   | 1E         | Speed   |
|-----------|-------|------------|---------|
| Depth     | Down  | Up         | - Speed |
| Z 1 Z . • | 1/32  | 137        |         |
| 3e        | 4,31- | 438        |         |
|           |       |            |         |
|           | Depth | Depth Down | Down Up |

NOTES

J Company Compa

down.

13,5

680%

| Station No. 658                  | 3                              | Date:         | Juni        | 21               |           | 191_6          |
|----------------------------------|--------------------------------|---------------|-------------|------------------|-----------|----------------|
| Hour: 4, 49                      | . M. to 5                      | 10-           | P. M.       |                  |           |                |
| Position: Lat.                   |                                | Lo.           | ng.         |                  |           |                |
| Locality:                        | 11/3                           | 7             | 0.7.        | 77.              |           |                |
| Depth: 19-3m                     | Bottom:                        |               |             | Sample:          |           |                |
| Wind: Direction,                 |                                | Force,        | 2           |                  |           |                |
| Sea:                             |                                | Sky:          | 900         | uch              |           | -              |
|                                  | TEM                            | PERATURE      | S           |                  |           |                |
| Depth Thermometer - Make and No. | Reading                        | Stem<br>Temp. | Correc-     | Corrected Temp.  | W. Sample | Bottle<br>used |
| in in the second                 | · · · · ·                      |               | _           | 14.92            |           |                |
| #2                               | -4,1/                          | 15-0          | - 1305      | 14.35            |           |                |
| 30-71 #1                         | 13,9                           | 15,0          | -0.1        | 13.80            |           |                |
|                                  |                                |               | + 9163      | 13.75<br>(.56.80 |           |                |
|                                  | The second section of the last | URRENTS       |             |                  |           |                |
| Depth Hour                       | Tide                           | Time down     | Revolutions | Speed            |           | ection         |
| Color of water: Truy             |                                | 775           |             |                  |           |                |
| REMARKS:                         |                                | Transpar      | ency:       |                  | 1-53      | 14             |
|                                  |                                | 12.5          | i.o.        | 1.               |           |                |

| accrintion |            | Donth      | TIM     | IE .                  | Speed   |
|------------|------------|------------|---------|-----------------------|---------|
| escription |            | Depth      | Down    | Up                    | Spece   |
|            |            | 1077       | 1/200   | 1° 1111               |         |
|            |            |            |         |                       |         |
| 1          |            | : "7/1     |         | ,                     |         |
|            |            |            | A, ( 16 | (-, 5)                |         |
|            |            |            |         |                       |         |
|            | escription | escription |         | escription Depth Down | Down Up |

NOTES

11 13.10 Dis. 0

| Position; | Lat.                     |          | Lo            | ong.            |                    |                |
|-----------|--------------------------|----------|---------------|-----------------|--------------------|----------------|
| Locality: |                          | y land 1 | 7 1           |                 |                    |                |
|           |                          |          |               |                 |                    |                |
| Depth: /  | 19-2 m                   | Bottom:  |               |                 | Sample:            |                |
| Wind: D   | irection,                |          | Force,        | 2-              |                    |                |
| Sea:      | 8                        |          | Sky:          | 0               | Larr               |                |
|           |                          | TEM      | PERATURI      | ES              |                    | 1              |
| 1         | Thermometer Make and No. | Reading  | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample used |
|           |                          |          | 1             |                 |                    |                |
| 2-72      |                          | 14,6     | 1000          | -0.70           | 11.55              |                |
|           |                          |          |               |                 |                    |                |
|           | 71 V<br>11 V             | 13,9     | 14,5          | -0.1<br>+0.0st  | 13.95              | i - 1          |
|           |                          | 13,9     | 14,5          | +0.05           | 13.95              |                |
|           |                          | 17.1     | 14,5          | +0.05           | 13.95              |                |
|           |                          | 17.1     | 14,5          | +0.05           | 140_               |                |
|           |                          | cı       | URRENTS       |                 |                    |                |
|           |                          | cı       |               | + 0.03          |                    | Direction      |
|           |                          | cı       | URRENTS       |                 |                    |                |

-LUNBlaker

ETS, ETC., USED

| W           |   | 75 11 | TIL   | ME   | Speed |
|-------------|---|-------|-------|------|-------|
| Description |   | Depth | Down  | Up   |       |
| 7           | × |       | 1 11. | 100  |       |
|             | 1 | 17    | 0,20  |      |       |
|             |   |       |       | ** , |       |
|             |   |       | 0.30  | 3,45 |       |
|             |   |       |       |      |       |
|             |   |       |       |      |       |
|             |   |       |       |      |       |

NOTES

13.5 10% 70%

| Station    | No. CK  | 2           | Date:              |               | -, /            | 191         |
|------------|---|-------------|--------------------|---------------|-----------------|-------------|
| Hour:      | 6,55 P  | . M. to )   | ,17                | . M.          |                 |             |
| Position   | : Lat.  |             | Lo                 | ng.           |                 |             |
| Locality   | : lan   | Seni        | to Id.             | - mex         |                 |             |
| Depth:     | 19-3m   | Bottom:     |                    |               | Sample:         |             |
| Wind:      | Direction,  |             | Force,             |               |                 |             |
| Sea:       | C.  |             | Sky:               | e ac          | L-12            |             |
|            |   | TEN         | IPERATURE          | S             |                 |             |
| Depth      | Thermometer—<br>Make and No.  | Reading Rev | Stem<br>Temp.      | Correc-       | Corrected Temp. | Bottle used |
| Sur        | Ptr35755  | 14.8        |                    |               | 14.8            |             |
| 10-m       | 71 %  | saltener .  | 14,6               |               | 14.55           |             |
| 50-7/1     | # /   | 14.5        | 14,8               | -0.1<br>+0.05 | 144             |             |
|            | COLUMN TO THE REAL PROPERTY OF THE PARTY OF |             |                    |               |                 |             |
|            |   |             |                    |               |                 |             |
|            |   |             |                    |               |                 | e.          |
|            |   |             |                    |               |                 |             |
|            |   |             | T STRANGA IN IN IN |               |                 |             |
| Depth      | Hour  | Tide        | Time down          | Revolutions   | Speed           | Direction   |
| Depin      | Hour  | Tide        | Time down          | Revolutions   | Speed           | Direction   |
|            |   |             |                    |               |                 |             |
| Color of w | ater: 22  | ey          | Transpa            | rency:        |                 |             |

REMARKS:

11-5314

|  | Depth | TIN  | 1E   |       |
|--|-------|------|------|-------|
| Description  |       | Down | Up   | Speed |
|  |       |      | 1 77 |       |
|  |       |      |      |       |
| <br>   | 15.94 | ((   |      |       |
| ,  |       | 120  | 7.31 |       |
| <br>   |       | 1.6  | . 1  |       |
| the state of the s |       |      |      |       |
|  |       | 55   |      |       |
|  |       | 7.10 | 1. " |       |
|  |       |      | / /  |       |
|  |       |      |      |       |
|  |       |      |      |       |
|  |       |      |      |       |
|  |       |      | 1    |       |

NOTES

12.5 DISH 72%

| Station    | No. 658                      | 3- i     | Date:         | June            | 21                 | 191 6       |
|------------|------------------------------|----------|---------------|-----------------|--------------------|-------------|
|            | 1.28 P                       |          |               |                 |                    |             |
| Position   | :: Lat.                      | 87.5     | Lor           |                 |                    |             |
|            |                              |          | 40 m/-06      |                 |                    |             |
| Depth:     | 19-3m                        | Bottom:  |               |                 | Sample:            |             |
| Wind: 1    | Direction,                   |          | Force,        |                 |                    |             |
| Sea:       | <u> </u>                     |          | Sky:          | 0'              | Cast               |             |
|            |                              | TEM      | PERATURES     | 3               |                    | L           |
| Depth      | Thermometer—<br>Make and No. | Reading  | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | Bottle used |
|            | Ph II, ii                    | 14.7     |               | -               | 11:146             |             |
| 10-7h      | #1                           | Property | 14,5          |                 |                    |             |
|            | 7.2                          | 1413     | 14,4          | +0.03           | 14.35              |             |
|            |                              |          |               |                 |                    |             |
|            |                              |          |               |                 |                    |             |
|            |                              | 8        |               |                 |                    |             |
|            |                              |          |               |                 |                    |             |
|            |                              |          |               |                 |                    |             |
|            |                              |          | URRENTS       |                 |                    |             |
| Depth      | Hour                         | Tide     | Time down     | Revolutions     | Speed              | Direction   |
|            |                              |          |               |                 |                    |             |
|            |                              |          |               |                 |                    |             |
|            |                              |          |               |                 |                    |             |
| Color of w | ater: 121                    | aces     | Transpar      | ency:           | * * **             |             |
| REMARI     | KS:                          |          |               |                 |                    | 11-5314     |
|            |                              | *. ,*    | -             |                 |                    |             |

W.Lei

|               | Description                             |        | Depth | TIME    |        | Speed |
|---------------|---|--------|-------|---------|--------|-------|
| Description   |   | Deptit | Down  | Up      | Speed  |       |
| •             |   |        |       | 7. 3.4  | , "/ . | -     |
|               |   | _      |       |         |        |       |
|               |   |        |       | 1.38    |        |       |
|               |   |        |       | 1.12    | 111    |       |
|               |   |        |       | 11.     | /" "   |       |
|               |   |        |       | + -> /1 |        |       |
|               |   |        |       | 1:28    | 10     |       |
|               |   |        |       | 343     | 149    |       |
|               |   |        |       |         | 1      |       |
|               |   |        |       |         |        |       |
|               |   |        |       |         |        |       |
| A 500 M 4 4 W | * |        |       |         |        |       |
|               | _                                       |        |       |         |        |       |

NOTES

2000 74%

12.7

| CURRENTS  Depth Hour Tide Time down Revolutions Speed Direction  Color of water: Transparency:  Transparency:  | Station.   | No. 658                      | 3-1     | Date:         | une          | 2/              | :    | 191 6          |
|--|------------|------------------------------|---------|---------------|--------------|-----------------|------|----------------|
| Depth: / 9 3 m Bottom: Sample:  Wind: Direction, WNW Force,  Sea: Sky: Lear Sky: Temperatures  Depth Thermometer Reading Stem Temp. Corrected Temp.  No. 14.35   | Hour:      | 8:00 P                       | . M. to | 8:5/          | CM.          |                 |      |                |
| Depth: /9.3 m Bottom: Sample:  Wind: Direction, WNW Force,  Sea: Sky: Learn Sky: Temperatures  Depth Thermometer Reading Stem Temp. Corrected Temp. Reading Stem Temp. Reading Temp. Reading Stem Temp. Reading Temp | Position   | : Lat.                       |         | Lo            | ng.          |                 |      |                |
| Wind: Direction, WNW Force,  Sea: Sky: Lear Sk | Locality   | •                            | il ai   | 1.            | <i>i</i> , ~ | ·               |      |                |
| Sea:  Sky: Low TEMPERATURES  Depth Thermometer Reading Stem Temp. Corrected tilon Temp. Live Temp.  | Depth:     | 19. 2 mi                     | Bottom: |               | 5            | Sample:         |      |                |
| TEMPERATURES  Depth Thermometer—Reading Stem, Correct tion Corrected Temp.  ALLO  14.36  14.36  14.35  CURRENTS  Depth Hour Tide Time down Revolutions Speed Direction  Color of water: Transparency:  REMARKS: Transparency:  | Wind: 1    | Direction,                   | VNW     | Force,        |              |                 |      |                |
| Depth Thermometer— Reading Stem Temp. Corrected Temp. Reading  | Sea:       | 8                            |         | Sky:          | Los.         | ≥.              |      |                |
| CURRENTS  Depth Hour Tide Time down Revolutions Speed Direction  Color of water: Transparency:  Transparency:  |            |                              | TEM     | PERATURE      | S            | ,               |      |                |
| CURRENTS  Depth Hour Tide Time down Revolutions Speed Direction  Color of water: Transparency:  REMARKS: 11-5314   | Depth      | Thermometer—<br>Make and No. |         | Stem<br>Temp. | Correc-      | Corrected Temp. |      | Bottle<br>used |
| CURRENTS  Depth Hour Tide Time down Revolutions Speed Direction  Color of water: Transparency:  REMARKS: 11-6314   | <u></u>    | Pir it -                     | 14.56   |               |              | 1-1.56          |      |                |
| Color of water:  Tide Time down Revolutions Speed Direction  Transparency:  Transparency:  | - ''/'     |                              | . 14:7  | 18,3          | -0.15        | 14.65           |      |                |
| Color of water:  Tide Time down Revolutions Speed Direction  Transparency:  Transparency:  | 1.7        |                              | 14.5    | 14.7          | -0.1         | 14,40           |      |                |
| Depth Hour Tide Time down Revolutions Speed Direction  Color of water: Transparency:   |            |                              | 14.5    | 14.3          | 70.05        | 1435            |      |                |
| Depth Hour Tide Time down Revolutions Speed Direction  Color of water: Transparency:   |            |                              | C       | URRENTS       |              |                 |      |                |
| Color of water: Transparency:  REMARKS: 11-5314  | Denth      | Hour                         |         |               | Revolutions  | Sneed           | Di   | rection        |
| REMARKS: 11-8314   |            |                              |         |               |              |                 |      |                |
| REMARKS: 11-8314   | Color of w | rater:                       | ay:     | Transpa       | rency:       |                 |      |                |
| V. ( 1   | REMAR      |                              | 1       | Z.            | ( -, 7.      |                 | 11-5 | 314            |

NETS, ETC., USED

|                  | 2011    | TI    | ME    | C1    |  |
|------------------|---------|-------|-------|-------|--|
| Description      | Depth   | Down  | Up    | Speed |  |
| 1.1.1 0 ( . 1.1. |         | 1-514 | MARL  |       |  |
| crial closing    | 7". 'e. | , .   |       |       |  |
| pparaeus         | 10-712  | 8:00  |       |       |  |
|                  |         | 8:41  | 4. 50 | 0.    |  |
| lune closing     |         |       |       |       |  |
| If peratus       | 50-7n   | 8:0   |       |       |  |
| tical closing    |         | 8:1-  | 5:27  |       |  |
|                  |         |       |       |       |  |
|                  |         |       |       |       |  |
|                  |         |       |       |       |  |
|                  |         |       |       |       |  |
|                  |         |       |       |       |  |

11—5314 . NOTE

Haul taken at anchor

 $\frac{9}{4} = \frac{1}{8} \frac{1}{4}$ 

12,6

| Station No. 76    | 583 E.     | Date:         | Jun             | - 21            | 1916        |
|-------------------|------------|---------------|-----------------|-----------------|-------------|
| Hour:             | ./ M. to   | , ; <         | . M.            |                 |             |
| Position: Lat.    |            | Lor           |                 |                 |             |
| Locality: San     | - Bani     | to Id         | , M             | ex.             |             |
| Depth: 19 For     | Bottom:    |               |                 | Sample:         |             |
| Wind: Direction,  | W. N74     | Force,        |                 |                 |             |
| Sea:              |            | Sky:          | bes             | 9               |             |
|                   | TEM        | PERATURES     | 3               |                 |             |
| Depth Thermometer | o. Reading | Stem<br>Temp. | Correc-<br>tion | Corrected Temp. | Bottle used |
| Sur Ptr3575       | 5.14.55    |               |                 | 14.55           | 1           |
| 1000 /f/          | 14,6       | 14.3          | -0,01           | 14.55           |             |
| Depth Hour        | .,,        | URRENTS       | T 6.03          | 14,25           | Direction   |
| Color of water:   |            | Transpar      | encv:           |                 |             |
| REMARKS;          |            |               |                 |                 | 11-5314     |
|                   | 7.         | (9711/TI      | 7               |                 |             |

NETS, ETC., USEI

|                |       | TIMI   | 3       |       |  |
|----------------|-------|--------|---------|-------|--|
| Description    | Depth | Down   | Up      | Speed |  |
| Serial Closing | 10    | 8:45 g |         |       |  |
| Emin' Chi      | 30m   | 8.30   | :-512 ; |       |  |

TOTES

Haul taken at anchor, come to breedy machine.

Time missinger down 8130 pm

12.3

75%

| Hour:       | 9:00 1                       | . M. to 9 | 7:2//         | <b>∴м.</b>  |                 |             |
|-------------|------------------------------|-----------|---------------|-------------|-----------------|-------------|
| Position    | : Lat.                       |           | Lo            | ng.         |                 |             |
|             | : Sam                        |           |               |             |                 | )           |
| Depth:      | 19 pm.                       | Bottom:   |               |             | Sample:         |             |
| Wind: I     | Direction, 7                 | WWW       | Force,        |             |                 |             |
| Sea:        | S                            |           | Sky:          | 92          | 10              |             |
|             |                              | TEM       | PERATURE      | S           |                 |             |
| Depth       | Thermometer—<br>Make and No. | Reading   | Stem<br>Temp. | Correc-     | Corrected Temp. | Bottle used |
|             | Ptr35755                     |           |               |             | 138.3           |             |
| 10 to       | #1                           | v.14.7    | 14.3          | -0.05       | 14:65           |             |
| 30m         | . F1                         | 114.1     | 14.5          | +0,01       | 14,00           |             |
|             |                              |           |               |             |                 | 1 1         |
|             |                              |           |               |             |                 |             |
|             |                              |           |               |             |                 |             |
|             |                              | CI        | JRRENTS       |             |                 |             |
| Depth       | Hour                         | Tide      | Time down     | Revolutions | Speed           | Direction   |
|             |                              |           |               |             |                 |             |
|             |                              |           |               |             |                 |             |
|             |                              |           |               |             |                 |             |
|             |                              |           |               |             |                 |             |
| Color of wa | ater:                        |           | Transpar      | ency:       | -               |             |
| REMARK      | S:                           |           | A Aug A       |             |                 | 11-5314     |
|             |                              | 7.        | 17711         | 7.7-        | Road            | 7           |

Station No. 7 1783 . Date: 7 191

NETS, ETC., USED

| Therestelles        | Donib   | TIME                   | Speed |
|---------------------|---------|------------------------|-------|
| Description         | Depth   | Down Up                | Speed |
| Strain Comment      | 101     | 9:00<br>9:00<br>7:3:4: |       |
| Committee Committee | . 4 5,, | 3: 60<br>3: 60         |       |

11-5314 ... NOTES

Haul taken at smaker; South Gredging machine.

12.5

Station No. Date: Hour: 9:31 P.M. to 9:57 P.M. Position: Lat. Long. Locality: Depth: 19 foro, Bottom: Sample: Wind: Direction, WAIW Force, Sky: TEMPERATURES Stem Temp. Bottle Depth | Thermometer -Reading Smr Ptr 3575 146 10 m # 1 1147 14.5 -0.05 14.65 114.7 14.5 -0.05 14.65 CURRENTS Depth Hour Tide Time down Revolutions Speed Direction Color of water: Transparency: REMARKS: 11-5314 Virginia.

| D               | 70 41- | TIN    | /IE | Speed |
|-----------------|--------|--------|-----|-------|
| Description     | Depth  | Down   | Up  | Speed |
| Chair Chair     |        | 12 400 |     |       |
| Million Francis | 1000   | 000    |     |       |
|                 |        | 13.00  | 2   |       |
|                 |        | 1      |     |       |
| Swint Closing   |        |        |     |       |
| (9ssantus       | 3002   | 9:31   |     |       |
| 3 /-/           |        | 9.40   | 952 |       |
|                 |        | 17     | . / |       |
|                 |        |        |     |       |
|                 |        |        |     |       |
| 11-5314         | NOTES  |        |     |       |

Frank taken at mohor. Eval tosting mashine.

12.8

74%

| Station    | No. 25-40                     | اده ي    | Date:         | . 7-            |                    | ,         | 191 4          |
|------------|-------------------------------|----------|---------------|-----------------|--------------------|-----------|----------------|
| Hour:      | 10:00:50 P                    | M. to /0 | : 20:15/      | . M.            |                    |           |                |
| Position   | : Lat.                        |          | Lon           | g               |                    |           |                |
| Locality   | : On.                         | 12.      | + 7-7         |                 | Men                |           |                |
| Depth:     |                               | Bottom:  |               |                 | Sample:            |           |                |
| Wind: 1    | Direction,                    | NNW      | Force,        | 2               |                    |           |                |
| Sea:       | 5                             |          | Sky:          | 3               | 10                 | )         |                |
|            |                               | TEMI     | PERATURES     |                 |                    |           |                |
| Depth      | Thermometer –<br>Make and No. | Reading  | Stem<br>Temp. | Correc-<br>tion | Corrected<br>Temp. | W. Sample | Bottle<br>used |
| Sor.       | P+1-35755                     | 14.75    |               | possor          | 14.75              |           |                |
| 1000       | 1.2-                          | 14.8     | 14.5          | +0.05           | 14.75              |           |                |
| -30 m      | # 1.<br>p. 2.                 | 14.0     | 14.7          | =0,1<br>+0.05   | 14.05              |           |                |
| Depth      | Hour                          |          | RRENTS        | Revolutions     | Speed              | Di        | rection        |
| Color of w | ater:                         |          | Transpare     | ncy:            |                    |           |                |
| REMARI     | ζS:                           |          | T12/81        |                 | 1                  | 11-53     | 14             |

## NETS, ETC., USED

| Description         | Depth | TIME     |        | Speed |
|---------------------|-------|----------|--------|-------|
| Description         | Depth | Down     | Up     | Speed |
| 0                   |       |          | ٠,     |       |
|                     | 1     | ,        |        |       |
| Approxim .          | 1000  | 10:00:10 |        |       |
| borren and a second |       | 10:15:50 | 10:16: | ,     |
| Serial Closing      |       |          |        |       |
| Stpperchia.         | Som   | 10:00:01 |        |       |
| //                  |       | 17.15    | 17.5   |       |
|                     |       |          |        |       |
|                     |       |          |        |       |
|                     |       |          |        |       |
|                     |       |          |        |       |

11-5314

NOTES

Haul takin at anchor. Emall drodging machine.

19me musenger anon 10:00:50 form

Popeln. W 126 D.15.2 75%

Station No. Date: Hour: 10:78:50 P. M. to 10:48 P.M. Position: Lat. Long. Locality: Sam Depth: Bottom: Sample: Wind: Direction, //// Force, Sky: 03 (0 TEMPERATURES Stem Temp. Bottle Thermometer - Make and No. Depth Reading Suc. Ptr35755 10 m 1 14.8 14.5 0.05 14.75 232 11/2 - 13.80 11/2 2- 13.8 14.0 +0.05 13.85 CURRENTS Depth Hour Tide Time down Revolutions Speed Direction Color of water: Transparency: REMARKS: 11-8314

TROOT

| /0 m |         | υp     | Speed |
|------|---------|--------|-------|
| 10 m |         | 0 10:4 | 130   |
|      |         | 010:4  | 130   |
|      | 1       |        |       |
|      | 0:20    | 8 10:  |       |
|      | 10:43:5 | 8 10:  |       |
|      |         |        |       |
|      |         |        |       |
|      |         |        | ANTES |

1. 12.7

75%

Hour: 10:07 P. M. to 11:15 P. M.

Position: Lat. Long

Locality: Roule 12 14 ty man

Depth: Bottom: Sample:

Wind: Direction, WNW Force, 5

Sea: Sky: 03 (7

## TEMPERATURES

| Depth | Thermometer—<br>Make and No. | Reading | Stem<br>Temp. | Correc- | Corrected<br>Temp. | W. Samp | Bottle<br>used |
|-------|------------------------------|---------|---------------|---------|--------------------|---------|----------------|
| STIT  | Ptr35755                     | 14.81   |               |         | 14.81              |         |                |
| 1000  | 12/                          | 14.8    | 14.6          | -0.05   | 14.75              |         |                |
|       | 42                           | 14.5    | 14.7          | 70.05   | 14.40              | A-      |                |
|       |                              | 100     |               |         |                    |         |                |

## CITTOTOTOTO

| CURRENTS |      |      |           |             |       |           |  |  |
|----------|------|------|-----------|-------------|-------|-----------|--|--|
| Depth    | Hour | Tide | Time down | Revolutions | Speed | Direction |  |  |
|          |      |      |           |             |       |           |  |  |
|          |      |      |           |             |       |           |  |  |
|          |      |      |           |             |       |           |  |  |
|          |      |      |           |             |       |           |  |  |
|          |      |      |           |             |       |           |  |  |

Color of water:

Transparency:

REMARKS:

11-5314

V. (977/17-

NETS, ETC., USEI

| The controller | Depth | TIME    |        | Speed |  |
|----------------|-------|---------|--------|-------|--|
| Description    | Беріп | Down Up |        | Speed |  |
| ε ·            |       |         | 7.     |       |  |
|                | 10:2  | 3.5     | 11.193 | 3     |  |
| ·              |       |         |        |       |  |
|                | - '2  | - =     | 3      |       |  |
|                |       |         | 100    |       |  |
|                |       |         |        |       |  |
|                |       |         |        |       |  |

11--5314

NOTES

. G

1.000

Tog- h.

12.6

1) /1.:

74-%

| Station :   | No. 7. 6                     | - دف      | , Date:       | . /         | 0.1                | 191         |
|-------------|------------------------------|-----------|---------------|-------------|--------------------|-------------|
| Hour:       | 11:24 P                      | . M. to / | 11:44         | Р. м.       |                    |             |
| Position    | : Lat.                       |           | Lo            | ong.        |                    |             |
| Locality    | San                          | Bon       | its_I         | Z., J.      | Texic              | ം.          |
| Depth:      |                              | Bottom:   |               |             | Sample:            |             |
| Wind: 1     | Direction,                   | YNW       | Force,        | 2           |                    |             |
| Sea:        |                              |           | Sky:          | 02.         | 40                 |             |
| -           |                              | TEN       | IPERATUR      | ES          |                    |             |
| Depth       | Thermometer—<br>Make and No. | Reading   | Stem<br>Temp. | Correc-     | Corrected<br>Temp. | Bottle used |
| Sur.        | Phr31755                     | 14.9      | -             |             | 14,9               |             |
| 10m.        | #1.                          | 14.7      | 142           | -0.01       | 14,65              | 1           |
|             | W. 2.                        | 14.9      | 14:           | +0.05       | 1425               |             |
|             |                              |           | URRENTS       | -11         |                    | 1           |
| Depth       | Hour                         | Tide      | Time down     | Revolutions | Speed              | Direction   |
|             |                              |           | *             |             |                    |             |
| Color of wa | ater:                        |           | Transpa       | arency:     |                    |             |
| REMARI      | S:                           |           |               |             |                    | 115314      |
|             |                              | T.        | /*            | Ro          | as.                |             |

| NETS   | S, ETC., USED |       |       |       |
|--|---------------|-------|-------|-------|
|  | D-11          | TIME  |       | Speed |
| Description  | Depth         | Down  | Up    | opeed |
|  |               |       |       |       |
| 1211   | 1/1/201       | 11:4  |       |       |
| The state of the same of the s | 1000          | 11:30 | 1:12  |       |
| 47.  |               | ,     |       |       |
|  | 300           | 1: :  |       |       |
|  |               |       | 11:14 |       |
|  |               |       |       |       |
|  |               |       |       |       |
|  |               |       |       |       |
|  | NOTES         |       | - '   |       |

12.6

Station No. 7. 6583 7. Date: June 21 1916 Hour: 11:17 P. M. to 12:14 A. M. Position: Lat. Long. Locality: , Depth: Bottom: Sample: Wind: Direction, WNW Force, Sea: Sky: TEMPERATURES Reading 1000 14. 14.9 14.5 -0.05 14.85 " 1. 14.2 11/2 -0.1 1420 " 1. 14.2 14.0+0.05 14.25 CURRENTS Depth Hour Tide Time down Revolutions Direction Speed

Color of water:

Transparency:

REMARKS:

\_\_\_\_\_\_

11-5314



|             | 75    | TIME  |      | Speed |
|-------------|-------|-------|------|-------|
| Description | Depth | Down  | Up   | эрсес |
|             |       |       | ·    |       |
|             |       | 1:    |      |       |
|             |       | 7 : 1 | .::- | :: (= |
| 1           |       |       |      |       |
|             | 2.00  | 1: -  |      |       |
|             |       |       | 12:  |       |
|             |       |       |      |       |
|             |       |       |      |       |
|             |       |       | !    |       |

NOTES

11-5314

12.6

Station No. 4 65-83-5 Date: June 22 1916 . M. to Hour: Position: Lat. Long. Locality: San Benito I'd Pacyico Bottom: Sample: Depth: Wind: Direction, N. M. QU. Force, 2 Sky: be .8 to 9 Sea: TEMPERATURES Thermometer-Make and No. Stem Temp. Correc-Corrected Temp. Bottle Depth Reading Lus. 1 15,5- 16.0 -1.05 15.45 14:1 16.0 -01) 15.0 14.9 15:4 +0.05 14.95 CURRENTS Depth Hour Revolutions Tide Time down Speed Direction Color of water: Transparency: REMARKS: 11-5314

CE De Long.

|                | 70-41  | TIME    |           |       |  |
|----------------|--------|---------|-----------|-------|--|
| Description    | Depth  | Down    | Up        | Speed |  |
| Perial Closing | 10 m   | 1:47:0  | 2:27      | :00   |  |
| /              |        | 1       |           |       |  |
| Serial Closing | y some | 2:62:00 | 6 . 6 feb | 0     |  |
|                |        |         |           |       |  |
|                |        |         |           |       |  |
|                |        |         |           |       |  |

no psychiameter reading

| Hour:      |                              | . M. to |               | . M.        |                 |          |         |
|------------|------------------------------|---------|---------------|-------------|-----------------|----------|---------|
| Position   | ı: Lat.                      |         | Lo            | ng.         |                 |          |         |
|            |                              |         |               |             |                 |          |         |
| Locality   | : San                        | Bes     | nito d        | d, h        | Redio           | 0        |         |
| Depth:     | 2200                         | Bottom: | *********     |             | Sample:         |          |         |
| Wind:      | Direction, 19                | fath.   | Force,        | 2           |                 |          |         |
| Sea:       | 8                            |         | Sky:          | be          | 8               |          |         |
|            |                              | TEN     | MPERATURE     | s           |                 |          |         |
| Depth      | Thermometer—<br>Make and No. | Reading | Stem<br>Temp. | Correc-     | Corrected Temp. | . Sample | Bottle  |
| 1          |                              |         |               | -           | (60.8)          | W.       |         |
| lus        | Ptr35755                     | 16.0    |               | -           | 16.0            |          |         |
| 100        | att.                         | 15,40   | 16.5          |             | 15,30           |          |         |
| org        | de                           | 15,4    | 16.5          | -0.1        | 15,2            |          | 1       |
| 22         | 1, 1                         | 14:2    | 11/2-         | -0,1        | 15.10           |          |         |
|            | #2                           | 15.0    | 15 2          | -           | 15.05           |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             | -               |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         | URRENTS       |             |                 |          |         |
| Depth      | Hour                         | Tide    | Time down     | Revolutions | Speed           | Di       | rection |
|            | -                            | 1       |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
|            |                              |         |               |             |                 |          |         |
| Color of w | ater:                        |         | Transpar      | ency:       | - ///           | -        |         |
| REMARI     |                              |         |               |             | 1               | 1-53     | 14      |
|            |                              |         |               |             |                 | - 00     |         |

Description

Depth

Depth

Depth

Down July

Speed

Sexial Closing 10 mt 2:49 3:11

Apparatus

NOTES

Ship anchored

\* museugers sent down

Paysh. W 14.8 D17,4

Construction beginner 69.

760/0